

**BALDWIN**®



# Unlocking Your Potential

Technology & Solutions Brochure

# *Our Business Is Making **Your Business** More Automated and Efficient*

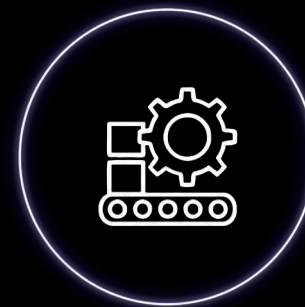
*Imagine how exceptional you could be with Baldwin's 100+ years of experience on your side.*



**Print &  
Packaging**



**Textiles**



**Industrial  
Applications**

# Strong and Secure **Future**

Part of the \$3 billion Barry Wehmiller family of companies



**barrywehmiller**  
BUILDING A BETTER WORLD THROUGH BUSINESS

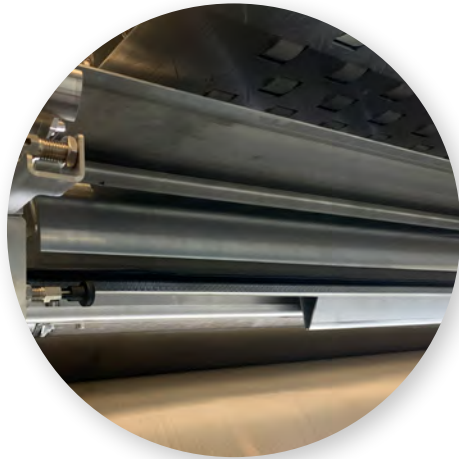
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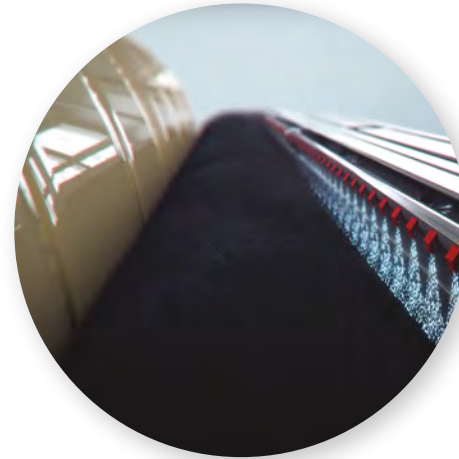
# SURFACE CLEANING

Surface-cleaning systems for printers, film extrusion and other industries to automate difficult and dangerous cleaning tasks.



## CLOTH CLEANING

Automatically cleans the cylinder with a cloth roll-based system whether in the offset web or sheetfed industry or film extrusion process.



## BRUSH CLEANING

Achieves unparalleled cleaning results on high-graphics corrugated printing presses, and hickey-picks on demand.



# UV CURING & DRYING

Because each customer need is different, we have developed and perfected curing and drying technologies for all applications.



## LED UV

The world's most efficient high power LED UV solutions for both surface and deep cure at variable distances from substrates. Offerings include the X Series™.



## UV

An extensive range of liquid and air-cooled conventional UV solutions with total reliability as standard.



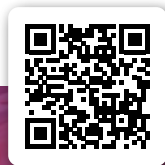
## INFRARED

Patented infrared systems accelerate drying performance with 70% reduced energy compared with traditional IR solutions.



## HOT AIR

With remote and efficient integral air heating along with air knife and air shower output, our hot air systems are configurable for your exact application.



**SPECTRAL UV**<sup>®</sup>  
A **BALDWIN** Technology Company

**AHLBRANDT**  
A **BALDWIN** Technology Company



## PRECISION SPRAY

Delivering unrivaled performance in accuracy, speed and print quality.



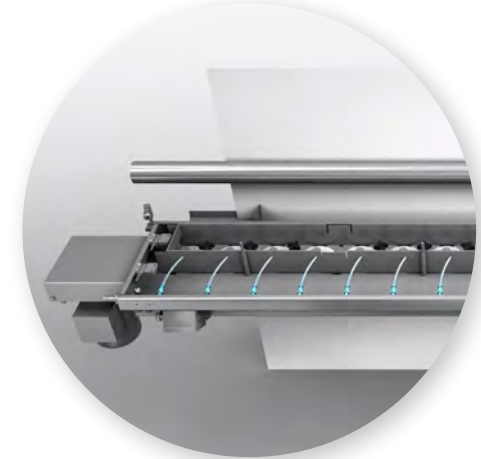
### SPRAY DAMPENING

Features optimized flow nozzles and a valve design with high-frequency spray cycles, enabling precise water volumes and uniform dampening over the plate.



### REMOISTENING

Precise, non-contact remoistening of paper after drying or curing. Low maintenance, sustainable replacement of steam or kiss roller systems.



### ROTOR SPRAY

An effective solution for uniformly applying liquids to papers, films and fabrics on web lines, frequently used to apply anti-fog and anti-static to films as part of extrusion lines.



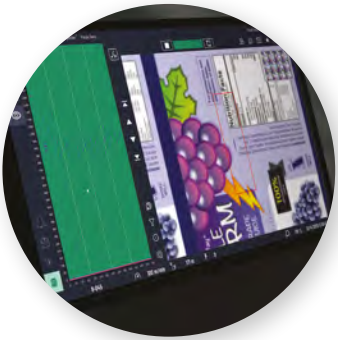
**“ No one is happier than our operators. EvenSpray World2 has nearly eliminated the need for maintenance, which allows them to spend time on other important work**

**”**

Kim Fuglsang Kristiansen, Print Operator at NORDDJYSKE Medier

# INSPECTION & COLOR

Eliminate defects, verify data, deliver perfect print, automate your workflows.



## INSPECTION

Print inspection, variable data verification, and defect management workflows make it possible to eliminate all defects to deliver your customers perfect print quality.



## SECURITY PRINT

Retrofit and complete solutions for inspection, verification, waste management and tracking of security print products including their advanced covert and overt features.



## COLOR

Complete workflow solutions that greatly simplify the science of color production and inline color measurement technology.



## REGISTER CONTROL

Perfect print register, simplified. Our automated systems and unique corrective algorithms automatically adapt the system to changing press conditions.



“ *Baldwin has helped secure our future by helping us achieve the optimum balance between internal business efficiency and meeting brand owner expectations* ”

Ted Biggs, VP at Manufacturing, AWT Labels



## WHAT OUR CUSTOMERS ARE SAYING

# *We switched from Cloth to* **PREPAC® Advanced**

“

In order to optimize the cleaning of our sheet-fed presses' blankets and impression cylinders, we switched from conventional dry jumbo rolls to PREPAC® Advanced. The results? Enhanced cleaning performance, substantial savings in wash time and preparation, and minimized handling that requires less space for consumables storage.

With Baldwin Technology, blanket cylinder cleaning processes have been optimized to meet our requirements. Optimization included customized wash programs, reduced make-ready time and improved wash quality. Baldwin has proven to be a reliable partner.

”



**HANS-JÜRGEN ZWOSTA**

Production Manager at creo Druck & Medienservice GmbH





## WHAT OUR CUSTOMERS ARE SAYING

*Any time you **change** from a traditional process, it is human nature to be a little skeptical*

“

Baldwin organized production-scale trials for us at a nearby TexCoat™ equipped factory. We took the finished fabric and scrutinized the look and the feel as well as performed a battery of tests in our lab to AATCC spray rating and hydrostatic head standards.

The results were impressive. Moreover, when we commissioned our TexCoat™, we duplicated and exceeded fabric performance realized during the trials.

”



### DOUG JOHNSON

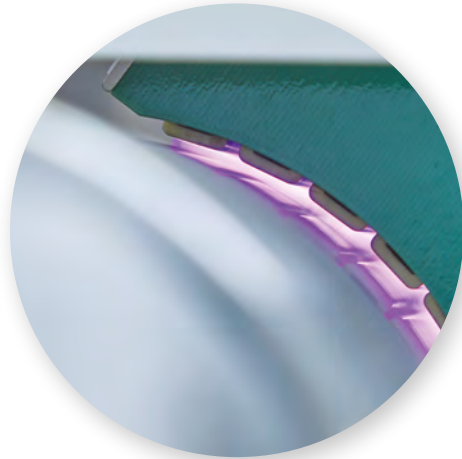
Executive Vice President of Development and  
Technical Services at Graniteville Specialty Fabrics

*TexCoat™ G4 used to achieve  
desired finishing.*



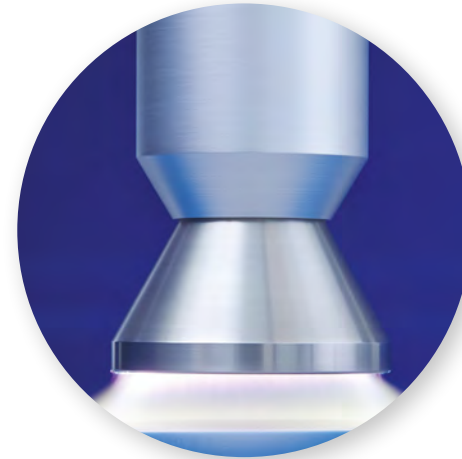
## CORONA SURFACE TREATMENT

Performance through precision. Corona treatment systems for the print, converting, film extrusion and textile industries.



### CORONA

Corona systems designed for superior surface treatment in any area or application.



### PLASMA 3D

Ideal for increasing adhesion properties of small outlined areas - the Plasma JET can treat stripes from 8 to 55 mm and is efficient on a wide variety of materials.





## CONSUMABLES & UV LAMPS

Consumables designed with maximum performance and durability.



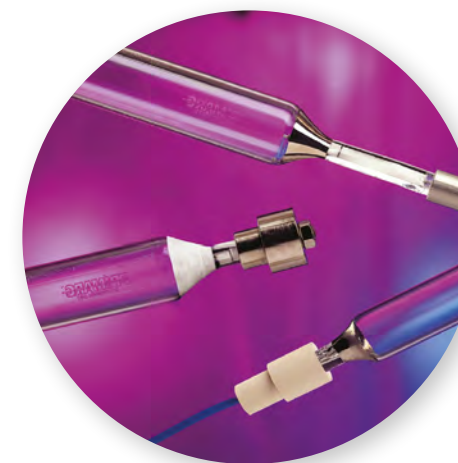
### PREPAC®

When performance and speed cannot be compromised. A truly unique all-in-one solution with minimized handling and waste. No additional solvents required.



### DRYPAC

The specially developed cloth offers extreme absorption and strength for all different press types.



### LAMPS

With short lead-times, high quality, made- to-order UV Lamps, additive UV lamps and microwave UV lamps made for virtually all machine types.





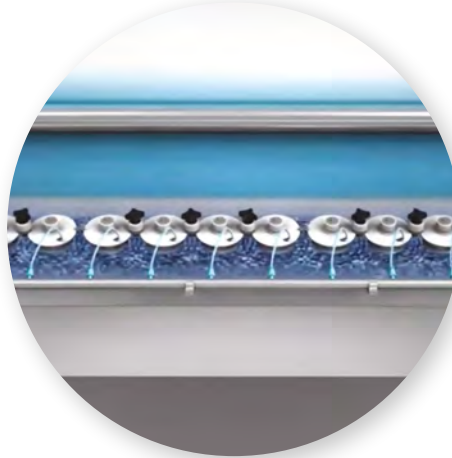
## TEXTILES & TISSUE FINISHING

Revolutionary - Sustainable - Flexible



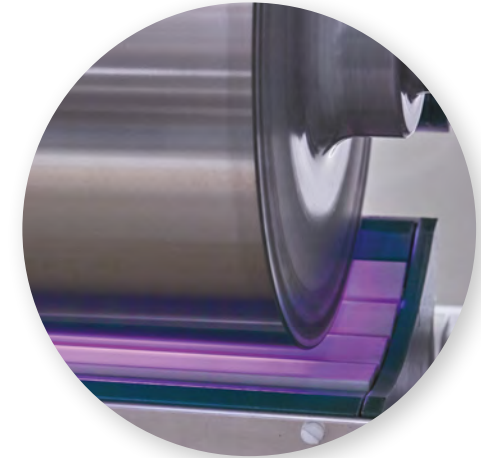
### PRECISION SPRAY

Non-contact finishing saves chemistry, water and energy while increasing productivity.



### ROTORSPRAY

Effective solution for uniformly applying liquids to textiles.



### TEXTILE PLASMA

Surface treatment optimizes dyeing, finishing and lamination performance.



**“ Baldwin fulfilled our requirements to provide a solution that increased productivity while reducing our environmental impact ”**

Mike Abbott - Global director Research and Innovation - HanesBrands



## INDUSTRIAL APPLICATIONS

LED and UV curing equipment that enables you enhance industrial product manufacture and efficiency.



### LED UV

The X Series™ line of LED UV curing systems offers the world's highest-power LED UV surface-curing solution at variable distances from the substrate.



### UV

Baldwin manufactures and supports conventional UV curing solutions via its market-leading division, AMS Spectral UV®.



**SPECTRAL UV**®  
A **BALDWIN** Technology Company

## SERVICE & PARTS

### *Technical Support & Field Service*

A global network of qualified technical field engineers and agents to ensure you have access to the help you need, if and when you need it.



### *Warranties & Parts*

Fully backed and supported equipment with additional extended warranty programs for those who want to incorporate regular service and maintenance of their equipment.



# amp.

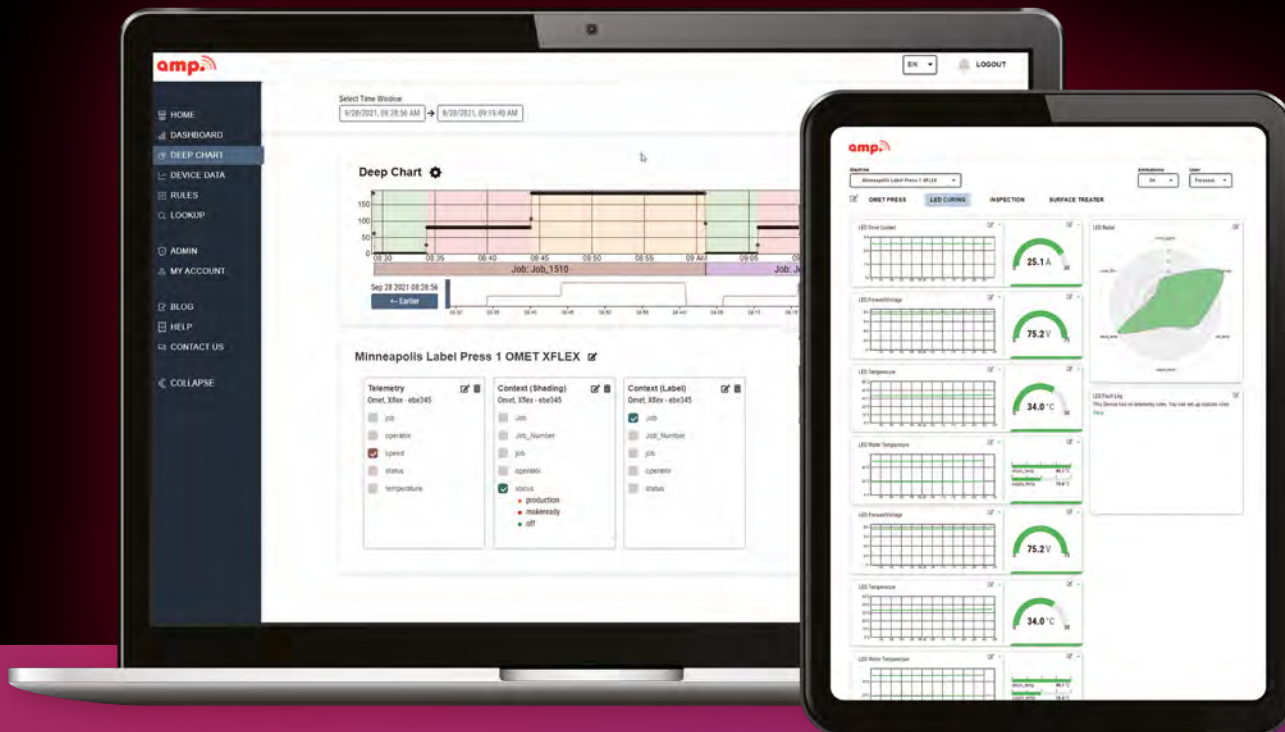
## PRINT INDUSTRY 4.0

# Print More Sellable Sheets, More Profitably

Connect all the technology on your press, get ahead of downtime and rework problems before they occur.

Turn scattered data into intelligence you can act on. AMP™ is the first vendor-neutral software platform designed specifically for the print industry to help print more sellable sheets, more profitably.

Take your first step to being part of the next great advantage in the graphics industry.



Our Vision:

*Transforming Business through the power of*

***Human Potential***

**BALDWIN**<sup>®</sup>

*Printing quality and effects made possible with Baldwin Technology*

**Baldwintech.com**